

**AMENDMENTS TO THE CLAIMS**

1-27. (Cancelled)

28. (Currently amended) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,

wherein the ceramic has a BET surface area of at least 200 m<sup>2</sup>/g, and  
the ceramic comprises at least one member selected from the group  
consisting of Al<sub>2</sub>O<sub>3</sub>, ZrO<sub>2</sub>, and MgO, and  
the ceramic accounts for 10 to 90% by weight of the ceramic coated  
fiber.

29. (Previously Presented) The ceramic coated fiber of claim 28, wherein the  
ceramic has a BET surface area of 200 m<sup>2</sup>/g to 300 m<sup>2</sup>/g.

30. (Canceled).

31. (Previously presented) The ceramic coated fiber of claim 28, wherein the  
ceramic further comprises silver and/or palladium.

32. (Cancelled)

33. (Previously Presented) The ceramic coated fiber of claim 28, wherein the  
ceramic has a BET surface area of 200 m<sup>2</sup>/g to 2000 m<sup>2</sup>/g.

34. (Previously Presented) The ceramic coated fiber of claim 28, wherein the  
ceramic has a BET surface area of 200 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.

35-44. (Cancelled).

45. (Previously Presented) The ceramic coated fiber of claim 28, wherein the  
ceramic has a BET surface area of at least 500 m<sup>2</sup>/g.

46. (Currently amended) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,  
wherein the ceramic has a BET surface area of at least 200 m<sup>2</sup>/g, and  
the ceramic comprises crystalline ceramic, and  
the ceramic comprises 10 to 90% by weight of the ceramic coated fiber.

47. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises TiO<sub>2</sub> and/or TiON having an anatase structure.

48. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises at least one member selected from the group consisting of TiO<sub>2</sub>, TiON, TiOS, Al<sub>2</sub>O<sub>3</sub>, ZrO<sub>2</sub>, and MgO.

49. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m<sup>2</sup>/g to 300 m<sup>2</sup>/g.

50. (Canceled).

51. (Previously presented) The ceramic coated fiber of claim 46, further comprising silver and/or palladium.

52. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m<sup>2</sup>/g to 2000 m<sup>2</sup>/g.

53. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.

54. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of at least 500 m<sup>2</sup>/g.